

AP20 Res'd PCT/PTO 02 FEB 2006

SEQUENCE LISTING

<110> Dyer, Cheryl J.
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 Grosz, Michael D.
 Byatt, John C.

<120> USE OF A SINGLE NUCLEOTIDE POLYMORPHISM IN THE CODING REGION OF
 THE LEPTIN RECEPTOR GENE TO ENHANCE PORK PRODUCTION

<130> 11916.0058.00PC01

<150> US. 60/553,582
 <151> 2004-03-16

<150> U.S. 60/493,158
 <151> 2003-08-07

<160> 44

<170> PatentIn version 3.2

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aatgtcctaa ca gaa ttt att tat gtg ata act gca ttt gac ttg gca tat 171
 Glu Phe Ile Tyr Val Ile Thr Ala Phe Asp Leu Ala Tyr
 1 5 10

cca att act cct tgg aaa ttt aag ttg tct tgc atg cca cca aat aca 219
 Pro Ile Thr Pro Trp Lys Phe Lys Leu Ser Cys Met Pro Pro Asn Thr
 15 20 25

aca tat gac ttc ctc ttg cct gct gga atc tca aag aac act tca act 267
 Thr Tyr Asp Phe Leu Leu Pro Ala Gly Ile Ser Lys Asn Thr Ser Thr
 30 35 40 45

ttg aat gga cat gat gag gca gtt gtt gaa ang gaa ctt aat nna agt 315
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 50 55 60

ggt acc tac tta tca aac tta tct tct aaa aca act ttc cac tgt tgc 363
 Gly Thr Tyr Leu Ser Asn Leu Ser Ser Lys Thr Thr Phe His Cys Cys
 65 70 75

ttt tgg agt gag gaa gat aaa aac tgc tct gta cat gca gac aac att 411
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<223> The 'Xaa' at location 56 stands for Thr or Met.

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tcnnnnnnnn nnnnnnnnnn nnnngnnnaaa nnnnnnnnnn nnnncnnn nnnnnnnnnn     720
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actattgtgg tctcaggagt tctgttccca ggattcagga attcactaga gtgtacacag     960
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ggtcc                                           1025

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gaaatcctgt acatactggg gccagtggt gccatcccc tggccattgc cttactcttc      300
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aagttccaaa tactctttc 19

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aagttccaaa tactatttc 19

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cagaccctct gatatttgga aaagca 26

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<210> 27

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 <222> (103)..(103)
 <223> N = T or G

<400> 42
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 tggcagattt cttacatcgt tattcaatat gagctgcgaa tcatatgctc gtagttagga 180
 aaatgtcagg aaaccccgag tgtgcctgct ttgtttgaca aagctatttt cgagtcatgt 240
 tggaaggcaa gggcatccag cgctggcat ggaggagaag agggtagccc tgccccccac 300
 cttcccagcc tttttctgag atgttggtaa ttcggtccta gatgacaagc gctcaactct 360
 gaacaagggg cggccgtctc acaccgtctc aattagtcca ggatgt 406

<210> 43
 <211> 395
 <212> DNA
 <213> Sus scrofa

<220>
 <221> misc_feature
 <222> (192)..(192)
 <223> N = T or C

<400> 43
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 caacagaccc tctgatattt ggaaaagcag aggaaaattt ggaagcccac tgttgcaatc 180
 aacaggagct antaaaattt tagtctattt tttcaactct atcagttctt ttcttataat 240
 caaatgatta tcctggctat taaataatct ctttctctcc tccacacacc cgctgccagt 300
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 gccaaaaaaa ctaagctttc taaggcaccc aagag 395

<210> 44
 <211> 838
 <212> DNA
 <213> Sus scrofa

<400> 44
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aggaaatcta tcatcttggt aaccctgaca aatgatttat cttcatcaat ctgtttaaac	180
ttgaagtcag aggctcaaat tattttctgt tttttcataa agttcagatt ttgagagact	240
ggtttagcagc ttgtgtgcca atttaaggcc tttaaataaa atactcaaaa ttctagattt	300
atcctaagtt taaaattgca aacctatact tcagctccac tctcccttca aatttttcta	360
cagaacctct gcaaagatag ggagactatc tgaccatacc aaagtataaa acattctaag	420
acaaccgaaa tggcagataa ttttcataaa grccactaa tctctagtca tatatagagt	480
gaaatgaact tacaaaagtg aaaaatagat ccctagcaca ctgaccttaa aactgatcta	540
aatccataca tcaataggcc agacttggag ttcccatcat ggcacagtgg ttaaagaacc	600
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gctctggcgt aggcgggagg ctacagctct gattagaccc ctcgcctaata atgccagggg	780
tgcagcccct cgcctaatat gccatgggtg cagccctaga aaagacaaaa aaaaaaaaa	838